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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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Internal 007/019  
cc: Pete

August 21, 2000

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor *DRH*

FROM: James D. Smith, Senior Reclamation Specialist *JDS*

RE: 1999 Fourth Quarter Water Monitoring, Andalex Resources, Inc., Centennial Project, ACT/007/019-WQ99-4

1. Were data submitted for all of the MRP required sites? YES [ ] NO [X]  
*Identify sites not monitored and reason why, if known:*

No flow at sites 7-1, 8-1, 17-1, 17-2, S18-1, 18-2, 18-3, 18-4, and 25-2; negligible flow at S25-1; and no report at all for 12-1 (Alrad Cyn).

2. On what date does the MRP require a five-year resampling of baseline water data.  
*See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.*

## Resampling Due Date

During the year preceding each repermitting action: one sample for baseline analysis at high and one at low flow for surface-monitoring sites, and one at low flow for ground-water monitoring sites. Next renewal submittal due 09/04/01, for renewal on 04/04/02.

3. Were all required parameters reported for each site? YES [X] NO [ ]  
*Comments, including identity of monitoring site:*

4. Were irregularities found in the data? YES [X] NO [ ]  
*Comments, including identity of monitoring site:*

Dissolved iron (4.9 mg/L or 4,900 µg/L) is at least 10 times greater than the previous high (320 µg/L) and well outside two standard deviations from the mean value recorded in the APPX